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# Korea, Republic of

## Poultry and Products

### Annual

### 2001

Approved by: **Grant A. Pettrie**  
**U.S. Embassy, Seoul**

Prepared by: Seung Ah Chung / Michael T. Henney

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**Report Highlights:** Korea's poultry production and imports are on the increase in 2001 due primarily to food scares in Europe (BSE & FMD) which drove consumers to poultry as an alternative protein source. Demand continues strong though showing signs softening as consumer's food safety concern fades. Aggressive marketing efforts by Thailand enabled to capture a large share of the Korean market at the expense of the U.S. poultry. Korea announced its 10-year development plan, which calls for production to increase 12-percent and established the national export goal as 60,000 MT by 2010.

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Includes PSD changes: Yes  
Includes Trade Matrix: Yes  
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## SECTION I : SITUATION AND OUTLOOK

### Poultry Meat

In 2001, intensifying concern over red meat safeness resulting from the European Food & Mouth disease (FMD) and Bovine Spongiform Encephalopathy (BSE) outbreaks materialized into higher consumer demand for poultry meat as an alternative meat source. Consequently, domestic production and import volume expanded rapidly to meet the rising demand despite the slowing Korean economy.

During the first half of 2001 domestic broiler production continued strongly. Expectations for continually strong demand for chicken meat, as a substitute for red meat, encouraged producers to embark on an expansion program. As of June 2001, bird inventories stood at a record high number. However, farm-gate prices started to decline in July, as a long rainy season dampened poultry demand during the prime summer cookout season. Concern is growing that a situation of over supply may quickly develop with both domestic production and imports remaining at high levels while demand slackens. It is anticipated domestic production will enter a down cycle this fall but output would remain higher than the level recorded a year ago.

Unlike in 2000 when the poultry sector felt minimal impact on demand with the Korean FMD outbreak, in 2001 the industry witnessed a major shift in consumer interest after problems emerged in Europe with BSE and FMD. While consumption on red meat appears to be in a recovery mode now, demand for poultry meat is expected to remain strong throughout this year.

In July 2001, the Ministry of Agriculture & Forestry released the "Overall Plan for Development of Poultry Industry." This is a 10-year plan investing 418 billion Won (approx. US\$ 322 million) aiming at:

- (1) to increase productivity,
- (2) to improve marketing channels,
- (3) to stabilize supply & demand,
- (4) to expand exports, and
- (5) to eradicate poultry diseases in Korea.

According to the plan, MAF will establish a committee to oversee industry policy toward stabilization of supply and demand in the poultry sector. The committee would consist of poultry groups, specialists, etc. By 2010, the plan's target flock size of both layers and broilers is 60 million birds. Such national flock size would enable Korea to maintain its self-sufficiency ratio for poultry meat at 77.6 percent and for eggs at 100 percent. By 2010, expected per capita consumption for chicken meat and eggs is 9.8 kilograms and 11 kilograms, respectively. By 2010, the plan calls for chicken exports totaling 60,000 MT, and mainly to Japan. Through this plan, Korea will introduce a grading system in effort to improve chicken and egg quality. Concerning poultry related diseases, a vaccine program will be introduced to eradicate the New Castle disease, the most common avian disease found in Korea today. By 2003, the full industry will be required to have in place an HACCP program.

In 2001, poultry imports are projected to reach nearly 16 percent of domestic production. Import volume has been high as import prices remain very competitive with that of domestic poultry which has benefitted from strong consumer demand despite a slowing economy. Imported poultry is primarily consumed in the food service sector, striving to meet rising demand from consumers for alternative meats, and in the processed food

sector, producing further processed poultry for retail distribution. Low price, consistent supply, and uniform quality are the marketing points that are influencing purchasing decisions in these two sectors the most. At retail, fresh poultry remains the preference of choice for the Korean consumer. In 2001, Thailand engaged aggressively in this market succeeded to capture a larger market share, including a portion of the U.S. share. Demand for duck meat has increased recently as it holds an image as healthy meat. China has been the main supplier of an expanding market for duck meat.

On June 4, 2001, MAF imposed a ban on Chinese poultry and poultry products due to the outbreak of Avian Influenza in ducks in China. On July 5, MAF lifted the ban. However, only two of 11 poultry processing plants previously approved for export of products to Korea have been recertified by MAF. The quick lifting of the import ban did strike concern from domestic poultry producers as it was feared the action was taken for political, not scientific reasons. Poultry imports from China, other than duck meat, remain insignificant to date. However, China retains the potential to be a fierce competitor for the U.S. in this market based on location and transportation advantages.

In 2001, consumers are frequenting restaurants though economic indicators show the economy is slowing and unemployment is rising. Owing to strong consumer patronization of restaurants where Koreans consume mostly high-quality, imported products, major family-style restaurants, fast food chains, hyper markets and discount stores are expanding outlets throughout the country. Poultry meat does have distinct advantages over its red meat competitors. It is preferred by the younger generation and it is viewed as healthier meat. With its image, and cheaper price, overall demand for it is growing at a faster pace than that for other meats. To spur greater consumption, processors are developing and marketing new ready-to-cook (RTC) convenience products, such as chicken nuggets, cartoon character-shaped chicken nuggets, etc., and developing brand name recognition among consumers. As of today, 17 poultry products and 28 eggs are sold under a brand name.

## **Eggs**

Korea's egg industry is emerging from the sluggish market that depressed production in 2000. Low production due to snow induced damage at the beginning of this year and strong demand presently for eggs are sparking a recovery in farm-gate prices. Layer numbers, in turn, rose in the second quarter as farmers were encouraged by strengthening farm-gate prices.

Due to low production and high prices, import of egg products, such as dried eggs for bakery use, is on the rise.

Consumers' willingness to purchase high cost specialty egg products, such as nutrient fortified eggs, organic eggs, etc., has been noticed by producers and processors as there currently are 28 brands of eggs on the market.

## **Turkey**

Turkey production remains insignificant. In 2000, the year-end inventory stood at 13,159 birds on 989 farms. Mechanically deboned turkey meat (MDTM) has been a primary raw ingredient in sausage for many years but the market is shrinking due to greater competition from domestic pork that stayed in the market when Korean pork was banned from international markets for FMD.

## SECTION II : STATISTICAL TABLES

## PSD - Total Poultry Meat

PSD Table						
Country	Korea, Republic of					
Commodity	Poultry, Meat, Total				(1000 MT)(MIL HEAD)	
	Revised	2000	Preliminary	2001	Forecast	2002
	Old	New	Old	New	Old	New
Market Year Begin		01/2000		01/2001		01/2002
Inventory (Reference)	50	54	52	56	0	57
Slaughter (Reference)	406	421	415	433	0	437
Beginning Stocks	5	5	5	5	5	5
Production	473	454	482	470	0	476
Whole, Imports	0	0	1	1	0	1
Parts, Imports	64	77	69	94	0	99
Intra EC Imports	0	0	0	0	0	0
Other Imports	0	77	0	95	0	100
TOTAL Imports	64	77	70	95	0	100
TOTAL SUPPLY	542	536	557	570	5	581
Whole, Exports	1	0	0	0	0	0
Parts, Exports	0	2	1	2	0	3
Intra EC Exports	0	0	0	0	0	0
Other Exports	1	2	1	2	0	3
TOTAL Exports	1	2	1	2	0	3
Human Consumption	536	529	551	563	0	573
Other Use, Losses	0	0	0	0	0	0
Total Dom. Consumption	536	529	551	563	0	573
TOTAL Use	537	531	552	565	0	576
Ending Stocks	5	5	5	5	0	5
TOTAL DISTRIBUTION	542	536	557	570	0	581
Calendar Yr. Imp. from U.S.	51	60	0	51	0	54

**PSD - Poultry Meat, Chicken**

PSD Table						
Country	Korea, Republic of					
Commodity	Plty, Meat, Chicken -16 wks				(1000 MT)(MIL HEAD)	
	Revised	2000	Preliminary	2001	Forecast	2002
	Old	New	Old	New	Old	New
Market Year Begin		01/2000		01/2001		01/2002
Inventory (Reference)	45	49	46	51	0	52
Slaughter (Reference)	381	394	389	406	0	410
Beginning Stocks	5	5	5	5	5	5
Production	400	393	408	408	0	413
Whole, Imports	0	0	1	1	0	1
Parts, Imports	52	66	55	79	0	84
Intra EC Imports	0	0	0	0	0	0
Other Imports	0	66	0	80	0	85
TOTAL Imports	52	66	56	80	0	85
TOTAL SUPPLY	457	464	469	493	5	503
Whole, Exports	0	0	0	0	0	0
Parts, Exports	1	2	2	2	0	3
Intra EC Exports	0	0	0	0	0	0
Other Exports	0	2	0	2	0	3
TOTAL Exports	1	2	2	2	0	3
Human Consumption	451	457	462	486	0	495
Other Use, Losses	0	0	0	0	0	0
Total Dom. Consumption	451	457	462	486	0	495
TOTAL Use	452	459	464	488	0	498
Ending Stocks	5	5	5	5	0	5
TOTAL DISTRIBUTION	457	464	469	493	0	503
Calendar Yr. Imp. from U.S.	44	54	0	46	0	48

**PSD - Turkey Meat**

PSD Table						
Country	Korea, Republic of					
Commodity	Poultry, Meat, Turkey				(1000 MT)(MIL HEAD)	
	Revised	2000	Preliminary	2001	Forecast	2002
	Old	New	Old	New	Old	New
Market Year Begin		01/2000		01/2001		01/2002
Inventory (Reference)	0	0	0	0	0	0
Slaughter (Reference)	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0
Production	0	0	0	0	0	0
Whole, Imports	0	0	0	0	0	0
Parts, Imports	9	7	10	7	0	8
Intra EC Imports	0	0	0	0	0	0
Other Imports	0	7	9	7	0	8
TOTAL Imports	9	7	10	7	0	8
TOTAL SUPPLY	9	7	10	7	0	8
Whole, Exports	0	0	0	0	0	0
Parts, Exports	0	0	0	0	0	0
Intra EC Exports	0	0	0	0	0	0
Other Exports	0	0	0	0	0	0
TOTAL Exports	0	0	0	0	0	0
Human Consumption	9	7	10	7	0	8
Other Use, Losses	0	0	0	0	0	0
Total Dom. Consumption	9	7	10	7	0	8
TOTAL Use	9	7	10	7	0	8
Ending Stocks	0	0	0	0	0	0
TOTAL DISTRIBUTION	9	7	10	7	0	8
Calendar Yr. Imp. from U.S.	8	6	9	6	0	7

**PSD - Eggs**

PSD Table						
Country	Korea, Republic of					
Commodity	Poultry, Eggs				(MIL HEAD)(MIL PCS)	
	Revised	2000	Preliminary	2001	Forecast	2002
	Old	New	Old	New	Old	New
Market Year Begin		01/2000		01/2001		01/2002
Layers	57	56	57	57	0	58
Beginning Stocks	40	40	40	40	40	40
Production	8600	8885	8610	8998	0	9089
Hatch Eggs, Imports	0	0	0	0	0	0
Shell Eggs, Imports	10	11	11	12	0	13
Other Imports	35	35	37	36	0	37
Intra EC Imports	0	4	0	0	0	0
TOTAL Imports	45	46	48	48	0	50
TOTAL SUPPLY	8685	8971	8698	9086	40	9179
Hatch Eggs, Exports	0	0	0	0	0	0
Shell Eggs, Exports	0	0	0	0	0	0
Other Exports	0	0	0	0	0	0
Intra EC Exports	0	0	0	0	0	0
TOTAL Exports	0	0	0	0	0	0
Hatch Eggs, Consumption	520	556	520	580	0	592
Shell Eggs, Human	8080	8330	8091	8408	0	8487
Shell Eggs, OT Use/Loss	10	10	10	10	0	10
Other Dom. Consumption	35	35	37	48	0	50
Total Dom. Consumption	8645	8931	8658	9046	0	9139
TOTAL Use	8645	8931	8658	9046	0	9139
Ending Stocks	40	40	40	40	0	40
TOTAL DISTRIBUTION	8685	8971	8698	9086	0	9179
Calendar Yr. Imp. from U.S.	19	18	20	28	0	33

**Korea: Per Capita Consumption of Livestock Products**

(Unit: Kilogram, boneless basis)

Year	Total Meat	Beef	Pork	Chicken	Egg
1995	27.5	6.7	14.8	6.0	10.1
1996	28.7	7.1	15.4	6.2	10.4
1997	29.3	7.9	15.3	6.1	10.4
1998	28.1	7.4	15.1	5.6	9.8
1999	30.5	8.4	16.1	6.0	9.9
2000	32.4	8.4	17.0	7.0	10.1

Source: Ministry of Agriculture &amp; Forestry

**INVENTORY AND PRODUCTION TABLES****Korea: Number of Broilers 1/**

(Unit: 1,000 Birds)

Year	March	June	Sept.	Dec.	Average
1986	15,476	20,038	20,931	16,039	18,121
1990	17,566	28,177	26,755	27,987	25,121
1995	29,609	45,762	37,402	34,584	36,839
1996	31,327	49,842	39,224	31,700	38,023
1997	33,280	48,271	38,219	35,562	38,833
1998	33,651	43,043	34,370	35,824	36,722
1999	37,751	53,940	44,511	38,256	43,615
2000	43,684	62,586	42,250	46,531	48,763
2001	44,534	69,115			

1/ Includes multi-use chickens raised on small farms.

Source: Ministry of Agriculture &amp; Forestry

**Korea: The Supply of Broiler Breeder Per Month**

(Unit: 1,000 Birds)

Month/Year	1997	1998	1999	2000	2001
January	327	250	212	224	188
February	426	188	329	376	338
March	395	273	379	394	402
April	325	309	381	320	311
May	337	256	308	240	339
June	252	250	317	219	
July	315	285	279	237	
August	464	342	351	349	
September	403	317	388	374	
October	297	296	290	359	
November	175	236	171	204	
December	232	242	120	141	

Source: Korea Poultry Association

**Korea: Broiler Inventories 1/**

(Unit: 1,000 birds)

Year	Farms	Birds
1990	3,547	26,935
1995	2,544	33,075
1996	2,060	30,381
1997	1,916	34,427
1998	1,821	34,617
1999	1,895	36,558
2000	2,013	45,000
2001 2/	3,016	66,742

1/ End of year inventories excluding multi-use chicks

2/ As of June, 2001

Source: Ministry of Agriculture &amp; Forestry

**Korea: Other Poultry Inventories 1/**

(Household / Head)

Year	Turkey		Geese		Ducks	
	Farms	Birds	Farms	Birds	Farms	Birds
1990	829	6,033	607	2,622	13,804	716,871
1995	1,074	10,648	1,035	6,006	9,485	2,356,903
1996	907	8,096	1,104	6,176	8,624	3,464,872
1997	769	9,616	1,124	6,191	9,028	2,709,431
1998	837	8,141	1,286	9,955	8,820	3,167,214
1999	867	8,912	1,538	11,722	12,673	4,787,207
2000	989	13,159	1,638	11,843	12,986	5,133,511

1/ End of year inventories.

Source: Ministry Agriculture &amp; Forestry

**Korea: Broiler Productivity 1/**

Year	Daily Gains (gram)	Feeding Days	Average Weight (Kg)
1980	28.9	65.0	N/A
1985	33.3	55.5	N/A
1990	38.0	48.2	N/A
1995	38.4	44.3	N/A
1996	38.6	43.9	N/A
1997	38.8	43.2	N/A
1998	39.1	38.8	1.52
1999	40.2	38.6	1.55
2000	39.4	38.8	1.53

Source: National Agricultural Product Quality Management Service

**Korea: Production Costs of Broilers 1/**

(Krw/Kg in live weight)

Year	Operating Cost	Production Cost	Farm Price
1980	741	829	834
1985	831	907	961
1990	850	968	1,018
1994	833	964	1,287
1995	919	1,046	1,242
1996	964	1,098	1,174
1997	949	1,085	1,138
1998	1,126	1,199	1,331
1999	1,017	1,080	1,209
2000	890	959	1,187

1/ Calculated on an Oct/Sept. basis between 1997 and 1988.

Calculated on calendar year basis since 1998.

Production cost equals operating cost plus family labor and interest charges on loans.

Source: National Agricultural Product Quality Management Service

**Korea: Production Cost of Broilers**

(Krw/Kg in live weight)

Item	CY 1998		CY 1999		CY 2000	
	Average cost	Component ratio	Average cost	Component ratio	Average cost	Component ratio
Feed	714	59	582	54	494	51
Chicks	238	20	274	25	244	25
Family Labor	62	5	54	5	61	6
Vet & Medicine	n/a	-	37	4	37	4
Water, Power, etc.	n/a	-	43	4	43	4
Other	192	16	94	8	87	10
Total	1,206	100	1,084	100	966	100
By Product	7		4		7	
Cost Total	1199		1,080		959	

Source: National Agricultural Product Quality Management Service

**Korea: Compound Feed Wholesale Prices 1/**

(Krw per Kg)

Year	For Chicks Starting	For Layers Starting	For Broilers Starting
1996	227	232	282
1997	284	245	307
1998	350	312	386
1999	287	256	324
2000 2/	265	240	290
2001 3/	303	272	333

1/ Year average

2/ As of December, 2000

3/ As of June, 2001

Source: Korea Feed Association

**Korea: Compound Feed Production for Poultry**

(1,000 MT)

Year	Chicks	Layers 1/	Broilers	Total
1990	347	1,785	1,143	3,274
1995	389	2,016	1,360	3,766
1996	359	2,080	1,410	3,849
1997	360	2,016	1,386	3,763
1998	307	1,888	1,228	3,423
1999	377	2,030	1,438	3,845
2000	335	2,071	1,488	3,894
2001 2/	160	1,052	758	1,970

1/ Includes breeders.

2/ As of June 2001

Source: Korea Poultry Association

**Korea: Chicken Operations by Flock Size 1/**

Year	Total	Below 1,000	1,000-4,999	5,000-9,999	10,000-29,999	30,000-49,999	Over 50,000
1980	692,219	683,208	7,131	1,272	608	46	26
1985	302,775	296,132	3,911	1,709	876	125	72
1990	161,357	154,656	2,162	2,299	1,941	179	120
1995	203,414	198,265	1,024	1,450	1,984	481	210
1996	187,467	182,995	829	911	2,032	479	221
1997	162,423	158,261	653	772	1,891	568	278
1998	168,060	163,947	485	1,001	1,765	581	281
1999	209,767	205,589	431	984	1,769	662	332
2000 2/	217,960	214,260		780	1,790	1,130	
2001 3/	219,820	215,380		870	2,150	1,420	

1/ End of year numbers

2/ No separate number for below 1,000, 1,000-4,999, 30,000-49,999, and over 50,000 available

3/ As of June 2001

Source: Ministry of Agriculture &amp; Forestry

**Korea: Number of Chickens by Flock Size 1/**

(1,000 birds)

Year	Total	Below 1,000	1,000- 4,999	5,000- 9,999	10,000- 29,999	30,000- 49,999	Over 50,000
1980	40,130	5,749	15,200	10,642	8,539	1,663	3,557
1985	51,081	1,521	9,988	11,307	13,447	4,474	10,334
1990	74,463	1,483	6,044	15,762	28,899	6,628	15,647
1995	85,800	1,790	2,580	10,894	32,817	17,514	20,206
1996	82,829	1,593	2,089	6,808	33,474	17,266	21,599
1997	88,252	1,352	1,612	5,665	32,094	20,523	27,006
1998	85,848	1,391	1,397	7,301	30,407	21,210	24,142
1999	94,587	1,998	1,562	7,155	30,633	24,163	29,076
2000 2/	102,547	3,389		5,594	31,941	61,623	
2001 3/	125,264	4,394		6,277	37,751	76,842	

1/ End of year inventories

2/ No separate number for below 1,000, 1,000-4,999, 30,000-49,999, and over 50,000 available

3/ As of June 2001

Source: Ministry of Agriculture &amp; Forestry

**Korea: The Comparison of Broiler Production Cost: By Flock Size**

(Krw/Kg in live weight)

Flock size	1996/97	1998	1999	2000
Below 5,000	1,160	N/A	1,204	1,049
5,000 - 20,000	1,110	N/A	1,124	1,056
Over 20,000	1,055	N/A	1,072	953
Average	1,085	1,199	1,080	959

Source: National Agricultural Product Quality Management Service

**Korea: Poultry Eggs Production**

(Million Pieces)

Year	Chicken	Duck	Total
1994	8,036 (442)	58	8,094
1995	8,252 (454)	77	8,329
1996	8,545 (470)	101	8,646
1997	8,673 (477)	114	8,787
1998	8,291 (456)	122	8,413
1999	8,398 (462)	164	8,562
2000	8,709 (479)	N/A	N/A

Note: Egg number is calculated from the figures in parentheses, which is 1,000 MT weight basis. Conversion factor is 55 grams per egg.

Source: Ministry of Agriculture & Forestry

**Korea: Number of Layers & Breeders**

(Unit: 1,000 Birds)

Year	March	June	Sept.	Dec.	Average
1990	41,386	43,663	44,749	46,476	44,069
1995	48,433	51,445	51,908	51,215	50,750
1996	51,781	52,737	51,420	51,130	51,767
1997	52,430	53,228	53,737	52,689	53,021
1998	52,261	50,307	48,722	50,023	50,328
1999	52,055	54,511	56,056	56,332	54,739
2000	56,207	56,187	53,549	56,016	55,490
2001	54,383	56,149			

Source: Ministry of Agriculture & Forestry

**Korea: Number of Total Chicken per Age - 1999**

(1,000 Birds)

Age / Month	March	June	Sept.	Dec.
Less than 3 months	43,304	61,681	51,933	44,859
3 to 6 months	9,210	8,280	8,444	9,689
Over than 6 months	37,292	39,090	40,190	40,039
Total	89,806	108,451	100,567	94,587

Source: Ministry of Agriculture &amp; Forestry

**Korea: Number of Total Chicken Per Age - 2000**

(1,000 Birds)

Age / Month	March	June	Sept.	Dec.
Less than 3 months	49,912	69,083	48,500	54,468
3 to 6 months	7,396	8,300	7,687	7,721
Over than 6 months	42,583	41,390	39,612	40,358
Total	99,891	118,773	95,799	102,547

Source: Ministry of Agriculture &amp; Forestry

**Korea: Number of Total Chicken Per Age - 2001**

(1,000 Birds)

Age / Month	March	June	Sept.	Dec.
Less than 3 months	50,630	76,243	-	-
3 to 6 months	7,683	7,575	-	-
Over than 6 months	40,604	41,446	-	-
Total	98,917	125,264	-	-

Source: Ministry of Agriculture &amp; Forestry

**Korea: Egg Production Cost 1/**

(Krw/10 pieces)

Year	Operating Cost	Production Cost	Farm Price 2/
1980	353	400	334
1985	434	472	475
1990	419	486	576
1993/94	454	522	581
1994/95	487	555	681
1995/96	539	612	679
1996/97	575	650	729
1998	815	865	859
1999	721	774	778
2000	625	668	698

1/ Calculated on an October - September basis between 1993 and 1997.

Others calculated on a calendar year basis.

Production cost equals operating cost plus family labor and interest charges on loans.

2/ Prices are on a calendar year basis.

Source: National Agricultural Product Quality Management Service

**Korea: Layer Productivity 1/**

Year	Egg production (pieces per bird)	Laying ratio (%)	Raising Period (day)
1998	260	71.2	110
1999	261	71.5	131
2000	276	75.6	130

Source: National Agricultural Product Quality Management Service

**Korea: Monthly Compound Feed Production - Layers & Breeders**

(1,000 MT)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1990	148	142	157	150	154	146	133	136	154	145	149	170	1785
1995	166	165	179	175	177	164	151	152	169	174	172	183	2016
1996	182	179	178	186	177	156	168	164	163	171	170	186	2080
1997	177	164	176	180	178	155	156	157	157	171	159	186	2016
1998	163	148	169	165	155	156	144	145	159	158	151	174	1888
1999	166	159	176	179	170	161	162	155	164	168	176	193	2030
2000	185	174	187	178	176	159	150	156	166	168	167	177	2044
2001	181	163	183	180									

Source: National Agricultural Cooperative Federation

**Korea: Duck Inventories 1/**

(Unit: birds)

Year	Farms	Birds	Average Flock Size per Farm 2/
1995	9,485	2,356,903	5,144
199	8,624	3,464,872	6,092
1997	9,028	2,709,431	7,601
1998	8,820	3,167,214	8,195
1999	12,673	4,787,207	9,035
2000	14,258	5,404,551	8,525

1/ End of year inventories

2/ Farms that produce duck only

Source: Korea Duck Association

**Korea: Annual Duck Consumption and Imports**

(Unit: MT, Boneless basis)

Year	Domestic Production	Imports	Import Price (CIF) 1/	Per Capita Consumption
1995	20,717	4,915	N/A	0.57
1996	30,835	8,404	2.35	0.87
1997	31,466	7,216	1.94	0.86
1998	21,514	1,959	2.56	0.52
1999	31,416	2,009	2.90	0.74
2000	35,758	3,960	2.16	0.89

1/ Price per kilogram (Unit: US\$)

Source: Korea Duck Association

**PRICE TABLES****Korea: Year Average Broiler Prices**

(Krw/Kg)

Year	1995	1996	1997	1998	1999	2000	2001 3/
Producer price 1/	1242	1174	1138	1331	1209	1187	1445
Wholesale price 2/	2090	2174	2250	2544	2340	2356	2604
Consumer price 2/	2778	2782	2637	2946	2831	3007	3242

1/ Live weight

2/ Average prices for Seoul area until 1999, dressed weight (RTC)

3/ Average price, January through July, 2001

Source: National Agricultural Cooperative Federation

**Korea: Calendar Year Average Egg Prices**

(Krw/10 pieces, large eggs)

Year	1995	1996	1997	1998	1999	2000	2001 2/
Producer price	681	679	729	859	778	698	836
Wholesale price 1/	732	709	777	913	865	774	961
Consumer price 1/	951	959	955	1057	921	871	1027

1/ Average prices for Seoul area until 1999

2/ Average price, January through July, 2001

Source: National Agricultural Cooperative Federation

**Korea: Farm Price for Chicken Meat**

Commodity	Chicken Meat, Farm Price			Unit: Krw/Kg
Year	1999	2000	2001	% Change
Month				comparing to previous year
Jan.	1,422	1,218	1,329	9%
Feb.	1,554	1,231	1,413	14%
Mar.	1,535	1,097	1,815	65%
Apr.	1,626	1,228	1,738	41%
May	1,259	1,156	1,243	7%
Jun.	1,019	1,080	1,192	10%
Jul.	1,184	1,614	1,382	14%
Aug.	1,393	1,263		
Sep.	887	1,266		
Oct.	837	1,103		
Nov.	767	990		
Dec.	1,023	874		

Source: National Agricultural Cooperative Federation

**Korea: Wholesale Price for Chicken Meat**

Commodity	Chicken Meat, Wholesale Price			Unit: Krw/Kg
Year	1999	2000	2001	% Change
Month				comparing to previous year
Jan.	2,654	2,405	2,367	-1%
Feb.	2,854	2,386	2,582	8%
Mar.	2,900	2,260	3,100	37%
Apr.	2,909	2,456	3,058	24%
May	2,370	2,397	2,381	-
Jun.	2,100	2,266	2,259	-
Jul.	2,373	2,957	2,484	-15%
Aug.	2,547	2,555		
Sep.	1,877	2,521		
Oct.	1,843	2,311		
Nov.	1,731	1,994		
Dec.	2,152	1,812		

1/ Average consumer prices in Seoul area in 1999

Source: National Agricultural Cooperative Federation

**Korea: Consumer Price for Chicken Meat**

Commodity	Chicken Meat, Consumer Price			Unit: Krw/Kg
Year	1999	2000	2001	% Change
Month				comparing to previous year
Jan.	3,256	2,886	2,853	-1%
Feb.	3,000	2,950	3,078	4%
Mar.	3,000	2,774	3,354	20%
Apr.	3,000	2,904	3,418	17%
May	2,919	3,062	3,305	7%
Jun.	2,607	3,002	3,244	8%
Jul.	2,700	3,340	3,443	3%
Aug.	2,947	3,269		
Sep.	2,773	3,290		
Oct.	2,483	3,003		
Nov.	2,557	2,890		
Dec.	2,731	2,742		

1/ Average consumer prices in Seoul area in 1999

Source: National Agricultural Cooperative Federation

**Korea: Farm Price for Eggs**

Commodity	Eggs, Farm Price			Unit: 10 Eggs in large size
Year	1999	2000	2001	% Change
Month				comparing to previous year
Jan.	890	670	882	31%
Feb.	1,056	616	827	34%
Mar.	936	550	884	60%
Apr.	941	550	904	64%
May	848	541	844	56%
Jun.	719	584	736	26%
Jul.	613	660	777	17%
Aug.	668	780		
Sep.	716	947		
Oct.	607	879		
Nov.	657	779		
Dec.	678	793		

Source: National Agricultural Cooperative Federation

**Korea: Wholesale Price for Egg**

Commodity	Egg, Wholesale Price			Unit: 10 Eggs in large size
Year	1999	2000	2001	% Change
Month				comparing to previous year
Jan.	990	729	996	36%
Feb.	1,098	670	953	42%
Mar.	980	625	1026	64%
Apr.	1,046	632	1047	65%
May	917	620	969	56%
Jun.	805	649	849	30%
Jul.	729	711	886	24%
Aug.	800	831		
Sep.	778	1030		
Oct.	727	977		
Nov.	764	873		
Dec.	777	878		

1/ Average wholesale price in Seoul area in 1999

Source: National Agricultural Cooperative Federation

**Korea: Monthly Retail Egg Prices**

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1995	846	867	948	992	1000	958	808	910	1043	1050	1008	1000
1996	937	993	1000	1000	973	910	932	946	1061	929	895	936
1997	950	894	940	985	943	930	937	980	955	913	974	1056
1998	1240	1193	1102	1045	950	964	912	970	1147	1108	1037	1021
1999	977	1100	1072	1012	1005	978	849	833	862	760	794	814
2000	893	911	847	741	750	743	753	808	1033	1032	984	967
2001	971	1046	1056	1066	1041	1016	994					

1/ Retail prices for Seoul area in 1999, Krw / 10 large eggs.

Source: National Agricultural Cooperative Federation

**Korea: Monthly Average Foreign Exchange Rate**

(Unit: Krw / 1U\$)

Month	1999	2000	2001
January	1176.94	1131.07	1272.82
February	1186.81	1128.80	1252.44
March	1229.16	1117.19	1288.43
April	1208.94	1109.76	1325.55
May	1197.00	1120.01	1298.46
June	1169.63	1118.73	1293.83
July	1186.04	1114.86	1302.60
August	1199.79	1114.57	1281.20
September	1196.97	1116.50	
October	1206.38	1127.31	
November	1177.22	1151.15	
December	1138.39	1214.40	

Source: Korea Financial Telecommunication & Clearings Institute

## IMPORT & EXPORT TRADE MATRIX

### Import Matrix for Total Poultry Meat

Import Trade Matrix				
Country: Korea				
Commodity: Total Poultry Meat			Unit: MT & U\$1,000, RTC basis	
Imports for	CY 2000		Jan. - Jun., 2001	
Country	Vol	Val	Vol	Val
U.S.	59,654	46,780	26,650	21,534
Others				
Thailand	12,147	20,258	15,583	19,918
France	147	220	97	113
Canada	1,142	856	455	323
P.R.C.	3,488	6,154	5,263	7,842
Australia	25	16	0	0
Denmark	106	85	94	15
Other	0	0	91	77
<b>Total for Others</b>	17,055	27,589	21,583	28,388
<b>Grand Total</b>	76,709	74,369	48,233	49,922

Source: Korea Customs Service

**Import Matrix for Chicken Meat**

Import Trade Matrix				
<b>Country: Korea</b>				
<b>Commodity: Chicken Meat</b>			<b>Unit: MT &amp; U\$1,000, RTC basis</b>	
<b>Imports for</b>	<b>CY 2000</b>		<b>Jan. - Jun., 2001</b>	
<b>Country</b>	<b>Vol</b>	<b>Val</b>	<b>Vol</b>	<b>Val</b>
<b>U.S.</b>	53610	40719	23883	19104
<b>Others</b>				
Thailand	10,145	15,595	14,702	18,482
Canada	333	239	24	20
P.R.C.	1,862	3,085	2,433	3,807
Denmark	106	85	94	115
Australia	25	16	0	0
U.K	0	0	22	18
Other	0	0	69	51
<b>Total for Others</b>	12,471	19,020	17,344	22,493
<b>Grand Total</b>	66,081	59,739	41,227	41,597

Source: Korea Customs Service

**Import Matrix for Turkey Meat**

Import Trade Matrix				
<b>Country: Korea</b>				
<b>Commodity: Turkey Meat</b>			<b>Unit: MT &amp; U\$1,000, RTC basis</b>	
<b>Imports for</b>	<b>CY 2000</b>		<b>Jan. - Jun., 2001</b>	
<b>Country</b>	<b>Vol</b>	<b>Val</b>	<b>Vol</b>	<b>Val</b>
<b>U.S.</b>	5,912	5,536	2,614	2,003
<b>Others</b>				
France	142	119	96	84
Canada	809	617	431	303
P.R.C.	0	0	48	40
<b>Total for Others</b>	951	736	575	427
<b>Grand Total</b>	6,863	6,272	3,189	2,430

Source: Korea Customs Service

**Import Matrix for Other Poultry Meat**

Import Trade Matrix				
<b>Country: Korea</b>				
<b>Commodity: Other Poultry Meat</b>			<b>Unit: MT &amp; U\$1,000, RTC basis</b>	
<b>Imports for</b>	<b>CY 2000</b>		<b>Jan. - Jun., 2001</b>	
<b>Country</b>	<b>Vol</b>	<b>Val</b>	<b>Vol</b>	<b>Val</b>
<b>U.S.</b>	132	525	153	427
<b>Others</b>				
P.R.C.	1,626	3,069	2,782	3,995
Thailand	2,002	4,663	881	1,436
France	5	101	1	29
Australia	0	0	-	8
<b>Total for Others</b>	3,633	7,833	3,664	5,468
<b>Grand Total</b>	3,765	8,358	3,817	5,895

Source: Korea Customs Service

**Export Matrix for Total Poultry Meat**

Export Trade Matrix				
<b>Country: Korea</b>				
<b>Commodity: Total Poultry Meat</b>			<b>Unit: MT &amp; U\$1,000, RTC basis</b>	
<b>Imports for</b>	<b>CY 2000</b>		<b>Jan. - Jun., 2001</b>	
<b>Country</b>	<b>Vol</b>	<b>Val</b>	<b>Vol</b>	<b>Val</b>
<b>U.S.</b>	0	0	0	0
<b>Others</b>				
HongKong	1101	1209	456	455
P.R.C.	264	301	100	124
Japan	214	367	16	49
Russia	0	0	44	9
Others	23	30	0	0
<b>Total for Others</b>	1602	1907	616	637
<b>Grand Total</b>	1602	1907	616	637

Source: Korea Customs Service

**Import Matrix for Cooked Poultry Product**

Import Trade Matrix				
<b>Country: Korea</b>				
<b>Commodity: Cooked Poultry Product</b>			<b>Unit: MT &amp; U\$1,000, RTC basis</b>	
<b>Imports for</b>	<b>CY 2000</b>		<b>Jan. - Jun., 2001</b>	
<b>Country</b>	<b>Vol</b>	<b>Val</b>	<b>Vol</b>	<b>Val</b>
<b>U.S.</b>	343	1,366	87	402
<b>Others</b>				
Thailand	967	3,389	1,823	6,130
France	17	403	5	162
Japan				
Singapore	154	520	32	104
Canada	1	5	0	0
P.R.C.	5	6	41	64
Other	2	7	1	9
<b>Total for Others</b>	1,146	4,430	1,902	6,468
<b>Grand Total</b>	1,489	5,696	1,989	6,870

Source: Korea Customs Service

**Import Matrix for Breeding Eggs**

Import Trade Matrix				
<b>Country: Korea</b>				
<b>Commodity: Pure Bred Egg</b>			<b>Unit: Kg &amp; U\$1,000</b>	
<b>Imports for</b>	<b>CY 2000</b>		<b>Jan. - Jun., 2001</b>	
<b>Country</b>	<b>Vol</b>	<b>Val</b>	<b>Vol</b>	<b>Val</b>
<b>U.S.</b>	0	0	0	0
<b>Others</b>				
Australia	400	8	0	0
Others	40	-	-	17
<b>Total for Others</b>	440	8	-	17
<b>Grand Total</b>	440	8	-	17

Source: Korea Customs Service

**Import Matrix for Fresh Egg in Shell Other Than Breeding Egg**

Import Trade Matrix				
<b>Country: Korea</b>				
<b>Commodity: Fresh Egg in Shell</b>			<b>Unit: Kg &amp; U\$1,000</b>	
<b>Imports for</b>	<b>CY 2000</b>		<b>Jan. - Jun., 2001</b>	
<b>Country</b>	<b>Vol</b>	<b>Val</b>	<b>Vol</b>	<b>Val</b>
<b>U.S.</b>	22,791	312	7,202	103
<b>Others</b>				
Mexico	0	0	3,186	51
Thailand	74,232	50	0	0
<b>Total for Others</b>	74,232	50	3,186	51
<b>Grand Total</b>	97,023	362	10,388	154

Source: Korea Customs Service

**Import Matrix for Cooked Egg in Shell**

Import Trade Matrix				
<b>Country: Korea</b>				
<b>Commodity: In Shell, Cooked</b>			<b>Unit: Kg &amp; U\$1,000</b>	
<b>Imports for</b>	<b>CY 2000</b>		<b>Jan. - Jun., 2001</b>	
<b>Country</b>	<b>Vol</b>	<b>Val</b>	<b>Vol</b>	<b>Val</b>
<b>U.S.</b>	0	0		
<b>Others</b>				
P.R.C.	432,092	494	313,322	321
<b>Total for Others</b>	432,092	494	313,322	321
<b>Grand Total</b>	432,092	494	313,322	321

Source: Korea Customs Service

**Import Matrix for Egg Yolk, Dried**

Import Trade Matrix				
<b>Country: Korea</b>				
<b>Commodity: Egg Yolk, Dried</b>			<b>Unit: Kg &amp; U\$1,000</b>	
<b>Imports for</b>	<b>CY 2000</b>		<b>Jan. - Jun., 2001</b>	
<b>Country</b>	<b>Vol</b>	<b>Val</b>	<b>Vol</b>	<b>Val</b>
<b>U.S.</b>	65,817	248	55,770	244
<b>Others</b>				
France	31,500	111	63,000	232
India	133,000	371	14,500	43
<b>Total for Others</b>	164,500	359	77,500	275
<b>Grand Total</b>	230,317	730	133,270	519

Source: Korea Customs Service

**Import Matrix for Egg Yolk, Other Than Dried**

Import Trade Matrix				
<b>Country: Korea</b>				
<b>Commodity: Egg Yolk, Other than Dried</b>			<b>Unit: Kg &amp; U\$1,000</b>	
<b>Imports for</b>	<b>CY 2000</b>		<b>Jan. - Jun., 2001</b>	
<b>Country</b>	<b>Vol</b>	<b>Val</b>	<b>Vol</b>	<b>Val</b>
<b>U.S.</b>	566,263	821	439,785	756
<b>Others</b>				
Japan	0	0	3,184	191
P.R.C.	5,000	10	5,000	10
<b>Total for Others</b>	5,000	10	8,184	201
<b>Grand Total</b>	571,263	831	447,969	957

Source: Korea Customs Service

**Import Matrix for Other than Yolk**

Import Trade Matrix				
<b>Country: Korea</b>				
<b>Commodity: Dried &amp; Other (excl. Yolk)</b>			<b>Unit: Kg &amp; U\$1,000</b>	
<b>Imports for</b>	<b>CY 2000</b>		<b>Jan. - Jun., 2001</b>	
<b>Country</b>	<b>Vol</b>	<b>Val</b>	<b>Vol</b>	<b>Val</b>
<b>U.S.</b>	3,329	18	10,002	27
<b>Others</b>				
India	16,000	49	23,500	73
Netherlands	21,460	65		
<b>Total for Others</b>	37,460	114	23,500	73
<b>Grand Total</b>	41,389	132	33,502	100

Source: Korea Customs Service

**Import Matrix for Egg Albumin**

Import Trade Matrix				
<b>Country: Korea</b>				
<b>Commodity: Egg Albumin, Dried</b>			<b>Unit: Kg &amp; U\$1,000</b>	
<b>Imports for</b>	<b>CY 2000</b>		<b>Jan. - Jun., 2001</b>	
<b>Country</b>	<b>Vol</b>	<b>Val</b>	<b>Vol</b>	<b>Val</b>
<b>U.S.</b>	0	0	0	0
<b>Others</b>				
France	43,000	265	28,010	175
Netherlands	22,500	161	6,000	47
Denmark	2,000	14	2,000	13
Sweden	85,965	462	47,100	238
Italy	12,500	78	0	0
India	4,500	29	1,000	6
Germany	17,000	111	0	0
Belgium	0	0	10,517	63
Other	106	2	1,322	14
<b>Total for Others</b>	187,571	1,122	95,949	557
<b>Grand Total</b>	187,571	1,122	95,949	557

Source: Korea Customs Service

**Import Matrix for Egg Albumin - Other Than Dried**

Import Trade Matrix				
<b>Country: Korea</b>				
<b>Commodity: Egg Albumin, Other Than Dried</b>			<b>Unit: Kg &amp; U\$1,000</b>	
<b>Imports for</b>	<b>CY 2000</b>		<b>Jan. - Jun., 2001</b>	
<b>Country</b>	<b>Vol</b>	<b>Val</b>	<b>Vol</b>	<b>Val</b>
<b>U.S.</b>	0	0	0	0
<b>Others</b>				
Belgium	343,000	268	295,000	222
Germany	18,000	14	0	0
Netherlands	72,000	57	0	0
Denmark	30,000	210	13,000	88
PRC	4,000	4	0	0
Italy	12,000	74	14,000	79
Other	1	-	1	-
<b>Total for Others</b>	479,001	628	322,001	389
<b>Grand Total</b>	479,001	628	322,001	389

Source: Korea Customs Service